

WHAT IS CLAIMED IS:

1. A mounting structure of a tire pressure sensing system in a tire pressure sensing system in which a pressure sensor is placed on a wheel to sense pressure of a tire which is mounted on the wheel,

wherein the wheel is a cast wheel for a vehicle including a rim portion where the tire is mounted, a hub portion provided at a center of the rim portion, and spoke portions connecting the rim portion and the hub portion, and

the air pressure sensor is placed in a boundary portion between the rim portion and the spoke portions.

2. The mounting structure of a tire pressure sensing system according to claim 1, wherein a recessed portion having a shape recessed toward the hub portion is provided, and the pressure sensor is placed in the recessed portion.

3. The mounting structure of a tire pressure sensing system according to claim 1, wherein the pressure sensor is placed on an opposite side of an air valve which fills air to the tire.

4. The mounting structure of a tire pressure sensing system according to claim 2, wherein the pressure sensor is placed on an opposite side of an air valve which fills air to the tire.

5. The mounting structure of a tire pressure sensing system according to claim 1, wherein the pressure sensor is placed a side which is 180 degrees (± 20 degrees) from the location of an air valve which fills air to the tire.

6. The mounting structure of a tire pressure sensing system according to claim 2, wherein collars are formed in the boundary portion, the tire pressure sensing system being mounted collars with fastening members.

7. The mounting structure of a tire pressure sensing system according to claim 2, wherein an insertion hole is formed in the boundary portion between the rim portion and one of the spoke portions, through which a detecting and transmitting unit is inserted into the recessed portion.

8. The mounting structure of a tire pressure sensing system according to claim 2, wherein the pressure sensor does not protrude into the tire and is lowered down into the spoke portions.

9. The mounting structure of a tire pressure sensing system according to claim 1, wherein pressure sensor is mounted on a stay, the stay having bent portions and which are formed ends thereof, the bent portions being welded to the rim portion.

10. The mounting structure of a tire pressure sensing system according to claim 9, wherein an escape hole is provided allowing a body portion of the pressure sensor to escape.

11. A mounting structure of a tire pressure sensing system in a tire pressure sensing system in which a pressure sensor is placed on a wheel to sense pressure of a

tire which is mounted on the wheel,

wherein the wheel is a cast wheel for a vehicle including a rim portion where the tire is mounted, a hub portion provided at a center of the rim portion, and spoke portions connecting the rim portion and the hub portion,

the air pressure sensor is placed in a boundary portion between the rim portion and the spoke portions,

wherein an air valve which fills air the tire is positioned separately from the air pressure sensor.

12. The mounting structure of a tire pressure sensing system according to claim 11, wherein a recessed portion having a shape recessed toward the hub portion is provided, and the pressure sensor is placed in the recessed portion.

13. The mounting structure of a tire pressure sensing system according to claim 11, wherein the pressure sensor is placed on an opposite side of the air valve which fills the air to the tire.

14. The mounting structure of a tire pressure sensing system according to claim 12, wherein the pressure sensor is placed on an opposite side of the air valve which fills the air to the tire.

15. The mounting structure of a tire pressure sensing system according to claim 11, wherein the pressure sensor is placed a side which is 180 degrees (+/- 20 degrees) from the location of the air valve which fills the air to the tire.

16. The mounting structure of a tire pressure sensing system according to claim 12, wherein collars are formed in the boundary portion, the tire pressure sensing system being mounted collars with fastening members.

17. The mounting structure of a tire pressure sensing system according to claim 12, wherein an insertion hole is formed in the boundary portion between the rim portion and one of the spoke portions, through which a detecting and transmitting unit is inserted into the recessed portion.

18. The mounting structure of a tire pressure sensing system according to claim 12, wherein the pressure sensor does not protrude into the tire and is lowered down into the spoke portions.

19. The mounting structure of a tire pressure sensing system according to claim 11, wherein pressure sensor is mounted on a stay, the stay having bent portions and which are formed ends thereof, the bent portions being welded to the rim portion.

20. The mounting structure of a tire pressure sensing system according to claim 19, wherein an escape hole is provided allowing a body portion of the pressure sensor to escape.